

BUSINESS MATH

Provides comprehensive coverage of personal and business-related mathematics. In addition to reviewing the basic operations of arithmetic, students are prepared to understand and manage their personal finances, as well as grasp the fundamentals of business finances.

Teacher Edition	
9780538440530	\$99.00
Instructor's Wraparound Edition, Business Math	
Essential Items	
Ancillary Items	
Free with Purchase items	

Contract Price

\$62.00

Grade

9,10,11,12

TYPE

P1

Copyright

2006

Author

Schultheis

Edition

16th

Content

Business Math

Readability

9.8

Accessibility

Nimas

Research

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

Provided by the Publisher	ISBN 9780538440523		Publisher - Cengage Learning		Provided by the Publisher
	BUSINESS MATH				
	Type - P1	Author - Schultheis			
	Copyright - 2006	Edition - 16th	Readability - 9.8		
	Course - Business Math		Grade(s) - 9,10,11,12		
Teacher Edition ISBN if applicable 9780538440530					

Overall Recommendation: Overall Strengths, Weaknesses, Comments: <p style="text-align: center;">Text does not appear student friendly. Students may have difficulty reading and understanding text. Graphics and examples could be much more engaging.</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> Recommended as BASAL </div> <p style="font-size: small;">if this box is not checked, the evaluators have chosen NOT recommend as basal</p>
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NIMAC Accessibility N
 Ancillary Yes
 Free with Purchase Yes
 Research No

Provides comprehensive coverage of personal and business-related mathematics. In addition to reviewing the basic operations of arithmetic, students are prepared to understand and manage their personal finances, as well as grasp the fundamentals of business finances.

CRITERIA

This basal resource ...

A. Encompasses KY Content Standards & Grade Level Expectations Moderate Evidence	
Text is designed to be used in an elective course outside the Program of Studies	
1) Includes the 5 Big Ideas of mathematics to the following extent:	
a) Number Properties and Operations	Strong Evidence
b) Measurement	Little or No Evidence
c) Geometry	Not Applicable
d) Data Analysis and Probability	Moderate Evidence
e) Algebraic Thinking	Moderate Evidence
2) Addresses content-specific enduring understandings from the related Program of Studies standards.	
	Moderate Evidence
3) Addresses content-specific skills and concepts from the related Program of Studies standards.	
	Moderate Evidence
4) Content addressed is current, relevant and non-trivial	
	Strong Evidence
5) Provides opportunities for critical thinking/reasoning	
	Moderate Evidence

6) Strengths, Weaknesses, Comments:

- Specific strengths-which areas/concepts are covered exceptionally well?
- Specific weaknesses-which areas/concepts would likely require supplementing?

Strengths: real world relevance; basic skill development in beginning of text

B. Functionality & Suitability

Moderate Evidence

1) Suitability

Strong Evidence

- Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind.

2) Content quality

Moderate Evidence

- Free from factual errors
- Content is presented conceptually when possible—more than a mere collection of facts
- Content included accurately represents the knowledge base of the discipline
- Theories/scientific models contained represent a broad consensus of the scientific community
- Interconnections among mathematical topics

3) Connections to Literacy

Strong Evidence

- Employs a variety of reading levels and is grade/level appropriate
- Use of multiple representations-concrete, visual/spatial, graphs, charts, etc.
- Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.
- Student text provides opportunity to integrate reading and writing
- Uses vocabulary that is age and content appropriate
- Focuses on critical vocabulary vs. extensive lists
- Identifies key vocabulary through definitions in both text and glossary
- The text is engaging and facilitates learning
- Embedded activities enhance the understanding of the text

Note: may apply to either student or teacher editions

4) Connections to Technology

Moderate Evidence

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data
- Embeds web links as a mathematics resource.

5) Support for Diverse Learners

Strong Evidence

- Provides support for ESL students
- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties

Note: may apply to either student or teacher editions

6) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Strengths: teacher text has suggestions for different learning styles, gifted students, and those needing reteaching; students are given practice working with vocabulary, not just lists of

terms; glossary

Weaknesses: technology is included as an “add-on” for the chapters rather than imbedded;
calculator instructions are for scientific calculators when most high school math classes will
be using graphing calculators

C. Supports Inquiry and Skill Development

Moderate Evidence

1) Promotes Inquiry, research and Application of Learning Moderate Evidence

- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

Note: may apply to either teacher or student edition

2) Skill Development

Moderate Evidence

- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

Strength:

Weakness: questions requiring higher level thinking and reasoning skills are limited; technology is not imbedded

D. Supports Best Practices of Teaching and Learning

Moderate Evidence

1) Engages Students Moderate Evidence

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels

Evaluation Tool for Basal Instructional Materials
Mathematics (2009 – 2015)

- Activities are truly congruent to the concepts addressed, not merely correlated

Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction

Moderate Evidence

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

Note: may apply to either teacher or student edition

3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

Strengths: embedded assessment use both multiple choice and free response questioning; time-lines which begin each section can peak student interest; each section has mixed review problems to allow for continuous review; teacher text addresses activities for different learning styles

Weaknesses: the free with purchase teacher test materials focus on questions of a DOK1 or DOK 2 level only

E. Has an Organization/ Format that Supports Learning and Teaching

Moderate Evidence

1) Organizational Quality

Moderate Evidence

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
 - Presents chapters/lessons in an organized and logical sequence
 - Provides clearly stated objectives for each lesson.
 - Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
 - Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
 - Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
 - Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
 - Uses grade-appropriate type size
 - Included media are durable, easy to use and have technical merit
 - Construction appears to be durable and able to withstand normal use
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2) Essential Components (beyond student and teacher text)

Little or No Evidence

- Items identified as essential components support the learning goals and concept coverage of the basal
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3) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Strengths: durable construction

Weaknesses: needs more diagrams (ie :tax forms); no essential components identified

F. Has available Ancillary/ Gratis Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Little or No Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

2) Strengths, Weaknesses, Comments:

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

The resources in the Instructor's Box do not enhance the text.
